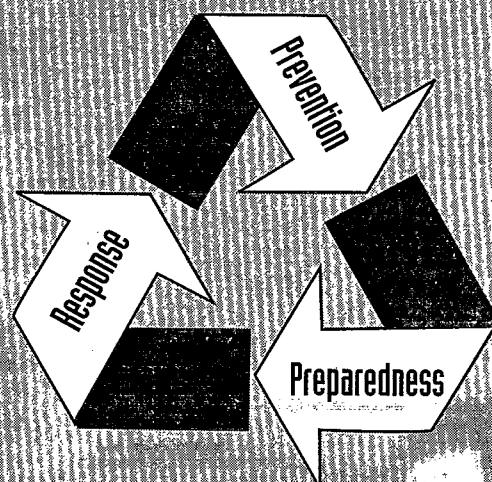


The Fourteenth International Hazardous Material Spills Conference

April 5-9, 1998 • Chicago, Illinois



Risk Management:
Closing the Loop

NRT



Sponsored by:
The National Response Team
Great Lakes Commission
The Spill Control Association of America
Chemical Manufacturers Association
National Governors' Association, Center for Best Practices
Ohio Environmental Protection Agency
Illinois Emergency Management Agency

Fourteenth International Hazardous Material Spills Conference

At the fourteenth international meeting on hazardous material spill prevention, preparedness, and response, we will have a special focus on risk management. Historically, this conference has provided an exceptional opportunity for communities, industry, states, and nations to examine existing policies, tools, and organizations that foster prevention, preparedness, and response activities. As we close this decade, we're looking to build on existing tools and identify new tools that can help close the loop of the prevention, preparedness, and response continuum. Fittingly, this year's meeting will be held in the Chicago "loop."

The conference will offer a wide range of sessions focusing on risk management from a variety of perspectives. The topics that will be covered include:

- *Regulatory Announcements (including new hazsub regulations under OPA 90),*
- *Using (EPA's) Model Risk Management Plan (RMP) Guidance for Target Industries, and*
- *RMP*Submit™ and RMP*Info™.*

The conference will allow you to stay up-to-speed on other hot topics such as:

- *Methamphetamine Drug Lab Responses,*
- *Enhancing State and Local Preparedness for Responding to the Consequences of Terrorism, and*
- *Risk Communication Tips.*

We also remembered to offer what you liked in 1996:

- *CAMEO®,*
- *Case Studies from the field, and*
- *Training, e.g., OSHA 8-hour Awareness.*

Join us as speakers and participants discuss advances made, lessons learned, and breaking news in the hazardous material field that will improve human health and safety as well as environmental protection. Participants will have an opportunity to customize the conference to their needs by choosing from a wide variety of sessions offered throughout the week. The Fourteenth International Hazardous Material Spills Conference is your opportunity to stay on the cutting edge of developments in the hazmat field. So come join us in the Chicago "loop" to help the hazmat community close the prevention, preparedness, and response loop with new risk management tools!

BREAKING NEWS...Come to Chicago and get the latest regulatory and planning hazmat updates!

There is something for everyone in the hazmat community at the Fourteenth International Hazardous Material Spills Conference! We have designed this conference to allow you to create your own personal learning experience - start working on your individualized program right now by checking out some of the featured sessions.

LEPCs are on the front line of emergency planning and response. With the advent of the Risk Management Planning (RMP) regulations, you now have a tool to focus on prevention. A few of the exciting sessions that will bring you up to speed on the latest regulations and tools for risk management implementation include:

- *Risk Communication Tips for LEPCs, Industry, and Firefighters,*
- *State and Local Strategies for 112(r) Implementation,*
- *Hazardous Materials Emergency Preparedness (HMEP) Curriculum, and*
- *Case Studies.*

Hazmat planners and responders have the unique challenge of coordinating with many different agencies during the prevention, planning, and response cycle. Coordinated planning and response is the goal of many programs at the federal level and will be detailed in such presentations as:

- *Hazardous Materials Chemistry,*
- *OPA 90 Hazsub Planning Regulations: Creating an Integrated Exercise Program for Oil and Hazardous Substance Response Plans,*

- *Incident Command System/Unified Command, and*
- *Lessons Learned from Cross-Border Contingency Planning and Response.*

Industry representatives will not want to miss new, important information on emerging hazmat regulations. As the broker between the regulated community and government, your job depends on gathering and understanding the latest hazmat information. Some sessions that should pique your interest include:

- *Performing Assessments to Support RMPs,*
- *Demonstration: RMP*Submit™ and RMP*Info™,*
- *Developing the One Plan, and*
- *Late-Breaking Regulatory Announcements.*

First Responders and health and safety officials arrive first at the scene of a chemical accident: what do you need to know to safeguard public health? The conference is addressing your special concerns by featuring such sessions as:

- *Extreme Conditions: Response in Harsh Weather Conditions,*
- *Causes and Trends in Maritime-Related Hazardous Material Spills, and*
- *Case Study: Benzene Barge Flips in Mississippi River.*

SERCs have the difficult challenge of having to work effectively with all levels of government in planning for and responding to spills. Build your knowl-

edge and coordination skills by attending the following sessions:

- *Case Study: Emergency Response in Rural America,*
- *Practical Lessons for Counter Terrorism: Planning and Response,*
- *Successful Practices in RMP Information Communication, and*
- *Computer Training: LandView®III with MARPLOT: How Locals Can Use it for Planning.*

International topics that affect federal, state, and local agencies will also be featured. These topics include:

- *Methodology for Improving International Communication of Risk Assessment Terminology Related to Chemical Accidents,*
- *ISO 14000 Standards - Applications,*
- *Working Together Along the U.S./Mexico Border, and*
- *The Panama Canal Commission/NRT Memorandum of Understanding to be featured in the NRT Meeting.*

Special events will include:

- *Chicago Fire Academy Tour and Marine Safety Office Response Equipment Display, and*
- *Table Top Hazsub Response Exercise.*

Visit our web site!

www.nrt.org/nrt/hazmat98.nsf

Conference at a Glance

Plenary & Breakout Sessions

Computer Training

Other Training

Sunday, April 5

8:30 - 12:00

Introduction to
CAMEO® ,
offering 1

Risk Management
Programs Training


1:30 - 5:00

Monday, April 6

9:00 - 12:00

Plenary -- Closing
the Loop: Many
Perspectives

1:30 - 3:00

Performing
Assessments to
Support RMPs

Managing
Abandoned Vessels
and Barges

Incident Command
System/Unified
Command

Designing and
Marketing Effective
Web Pages 

Emergency
Responder
Awareness 
offering 1

3:30 - 5:00

CAER,
TRANSCAER®,
and CHEMTREC®

Working Together
Along the U.S./
Mexico Border

OPA 90 HAZSUB
Exercises

RMP Calculator


5:30 - 7:30

Conference
Reception

Tuesday, April 7

8:30 - 5:00

Table Top Hazsub Response Exercise

8:30 - 10:00

Coordinated
Contingency
Planning:
Strategies and
Successful
Practices

Lessons Learned
from Cross-Border
Contingency
Planning and
Response

Demonstration:
RMP*Submit™ and
RMP*Info™

CAMEO®:
Importing/
Exporting and
Reports 

10:30 - 12:00

The Great Lakes
Spill Protection
Initiative

Risk
Communication
Tips for LEPCs,
Industry, and
Firefighters

Hazardous
Materials
Emergency
Preparedness
(HMEP)
Curriculum

OSHA Awareness


1:30 - 3:00

Integrated
Contingency
Planning

Practical Lessons
for Counter
Terrorism:
Planning and
Response

The Ohio EPA's
Orphan Drum
Program,
Discovery to
Disposal

RMP*Submit™ and
RMP*Info™ 
offering 1

3:30 - 5:00

Successful
Practices in RMP
Information
Communication

Enhancing State
and Local
Preparedness for
Consequences of
Terrorism

Extreme
Conditions:
Response in Harsh
Weather
Conditions

RMP*Submit™ and
RMP*Info™ 
offering 2

5:30 - 7:30

National Response
Team Meeting

Wednesday, April 8

8:30 - 10:00

State and Local
Strategies for
I12(r)
Implementation

Methodology for
Improving
International
Communication of
Risk Assessment
Terminology
Related to
Chemical
Accidents

The Joint
Information Center
Workshop

CAMEO®
Hands-on ALOHA

RMP Guidance for
Warehouses and
Chemical
Distributors

10:30 - 12:00

Hazardous
Materials
Chemistry

Experiences in Risk
Communication

Methamphetamine
Drug Lab
Responses

Lunch

Table Top Hazsub Response Exercise Debrief will be conducted at an optional brown bag lunch

1:30 - 3:00

CASE STUDY:
Accident
Investigation:
NAPP
Technologies

CASE STUDY:
Benzene Barge
Flips in Mississippi
River

CASE STUDY:
Emergency
Response in Rural
America

Introduction to
CAMEO®
offering 2

Incident Command
System/Unified
Command
Overview with
Hazmat Response
Application Training

3:30 - 5:00

CASE STUDY:
Train Derailment in
Port Clinton

CASE STUDY:
Cylinder
Technology and
Pentaborane Issues

CASE STUDY:
BPS Pesticide Fire
West Helena,
Arkansas

Thursday, April 9

8:30 - 10:00

ISO 14000
Standards -
Applications

Application of New
Technology to
Improve
Hazardous Material
Transportation
Emergency
Response

When Does a
Home Application
Become a
GERCLA
Response? The
Methyl Parathion
Story

LandView® III with
MARPLOT: How
Locals Can Use it
for Planning

Developing the
One Plan

10:30 - 12:00

Health and Safety
of the Emergency
Responder:
Programs and
Lessons Learned

Causes and Trends
in Maritime-
Related Hazardous
Material Spills

Late-Breaking
Regulatory
Announcements

Getting Started on
the Internet

1:30 - 5:00

Field Trip: Chicago
Fire Academy and
MSO Response
Equipment Display

Emergency
Responder
Awareness
offering 2

Preliminary 1998 International Hazardous Material Spills Conference Program

Sunday

8:30 - 5:00

TRAINING: Risk Management Programs Training (A)

The Risk Management Program (RMP) training course introduces the skills and information needed to use and comply with EPA's new accidental release prevention, risk management program regulations (40 CFR Part 68). Implementing Agency personnel and others can use the course to learn how to review and verify RMPs. Additionally, it will be shown how RMPs can help develop and refine state and local emergency management plans. The training will also show facility personnel how to develop RMPs.

1:30 - 5:00

COMPUTER TRAINING: Introduction to CAMEO® (A), offering 1

Computer-Aided Management of Emergency Operations (CAMEO®) is emergency planning software developed by the federal government to assist chemical emergency planners and responders. This four-hour class is designed as an introduction to CAMEO® and its suite of three programs: (1) CAMEO®-a series of information modules; (2) ALOHA-an air dispersion model; and (3) MARPLOT-a mapping application. By integrating these three applications, CAMEO® provides the planner and responder with a detailed and comprehensive picture of the emergency situation at hand. The representation of data in a GIS format and easy to read tables allows the planner and responder to quickly and effectively gauge the scope and degree of the crisis-no wading through reams of undecipherable data or vague information. This presentation will also introduce the student to the new Chemical Reactivity module. This program provides the user with information on potentially dangerous interactions between chemicals.

**Beginning Sunday,
registration is open
daily at 7:30 a.m.**

Monday

9:00 - 12:00

WELCOME and OPENING PLENARY: Closing the Loop: Many Perspectives

This opening session sets the stage with a sharing of perspectives from key stakeholders in chemical safety and challenges participants to be a part of risk management. All will have an opportunity to ask questions and provide their insights during this interactive session.

12:00 - 1:30 Lunch (conference attendees on their own)

1:30 - 3:00

Performing Assessments To Support RMP's

Risk management planning will receive considerable attention over the next couple of years as thousands of facilities nationwide respond to the CAA section 112(r) rule. A critical part of this effort is the hazard assessments, and the development of prevention and emergency response programs using decision-support tools. This session will present several approaches and demonstrate applications that address these requirements, with a goal of providing guidance to those who will be engaged in RMP activities.

Managing Abandoned Vessels and Barges

This session will focus on a "pilot" abandoned barge clean-up program. Over 1,000 abandoned barges have been documented in the United States. More than 300 of those are in the New Orleans area alone. A joint EPA, state, and Coast Guard program to clean up abandoned barges in the southeast United States has been initiated. Issues surrounding this clean-up program include classification, authority, and funding. This session is a must for port community officials and state government personnel.

Incident Command System/Unified Command

An Incident Command System led by a Unified Command (ICS/UC) is the most effective system to manage federal, state, and local responses to complex incidents. Technical assistance and training are available from the 16 federal agencies of the National Response Team (NRT). This session will provide an overview of NRT products and include a discussion among federal, state, and local representatives on some of the issues emerging from incidents and exercises.

COMPUTER TRAINING: Designing and Marketing Effective Web Pages (A)

Session attendees will learn how to create web pages that effectively communicate information and attract the target audience. This session will highlight some very effective SERC/LEPC sites

Sessions marked with (A) require pre-registration. See the Registration Form on the last page.



and also show what doesn't work by visiting some of the worst sites our experts could find!

TRAINING: Emergency Responder Awareness (2), offering I

This training module is designed for emergency responders such as firefighters, emergency medical responders, and police officers. Students will be trained in appropriate responder actions to be taken during an NBC (nuclear, biological, chemical) terrorist incident to protect public health and safety. The student also will receive information on protective measures, such as evacuation of personnel and emergency decontamination.

3:00 - 3:30 Break

3:30 - 5:00

CAER, TRANSCAER®, and CHEMTREC®: Industry Initiatives to Assist Emergency Response Planners and Responders

Industry can provide information about risks posed by chemicals and help in emergency planning and training for LEPCs, emergency responders, and local interest groups. CAER (Community Awareness and Emergency Response), TRANSCAER® (Transportation Community Awareness and Emergency Response), and CHEMTREC® are three industry-based initiatives that facilitate this information exchange. This session will explore these programs and, more importantly, show how this free assistance can be accessed and used.

Working Together Along the U.S./Mexico Border

Successful contingency planning across international borders requires the involvement of stakeholders at all levels of government—federal, state, and local. Establishing good working relationships prior to a chemical accident is a major step toward developing a complete contingency plan and preventing chemical accidents in the future. This session will discuss the interaction and exchange of information among all stakeholders in preventing, planning for, and responding to transboundary chemical accidents.

OPA 90 HAZSUB Planning Regulations: Creating an Integrated Exercise Program for Oil and Hazardous Substance Response Plans

In light of the proposed US Coast Guard hazardous substance response plan regulations, this interactive session will include a discussion of the regulations and how the Preparedness for Response Exercise Program can be modified to meet different objectives. The session will then focus on examples from Coast Guard, EPA, and industry to share how these exercises can be integrated to create an improved exercise program without overburdening the participants.

COMPUTER TRAINING: RMP Calculator (2)

With a user friendly, interview-like interface, the RMP Calculator automates the procedures outlined in the Off Site Consequence Analysis Guidance. This session will explore the various options for both worst case and alternate accident scenarios by working stepwise through several specific chemical examples. This will cover, but is not limited to, toxic and multiple flammable gases scenarios and the inclusion of accident mitigation to the calculation. Also, printed and electronic output of the calculator will be discussed.

TRAINING: Emergency Responder Awareness, offering I (continued)

Continuation of 1:30 - 3:00 training session.

5:30-7:30pm Reception

Tuesday

8:30 - 5:00

Table Top Hazsub Response Exercise

This is a day-long event featuring federal, state, and local players simulating a hazsub incident and response. The ICS/UC system will be used and several unique aspects of response in the Chicago area will make this an interesting exercise to observe. Conference participants will be able to walk through the room and observe at any time during the day-long exercise. Lessons learned during the exercise will be discussed during an optional brown bag luncheon debrief on Wednesday.

8:30 - 10:00

Coordinated Contingency Planning: Strategies and Successful Practices

How can emergency response planners ensure that local hazmat and oil response plans will work? This session will highlight creative, coordinated contingency planning examples from around the United States. These examples will be used to help planners develop a roadmap for improving their planning, preparedness and response program. Ideas for coordinating OPA, EPCRA, HMTA, CAA, Nunn-Lugar-Domenici, and other requirements will be discussed. Federal resources available for responding and planning will be identified. Assistance documents will be distributed. Finally, ideas will be shared for pulling together the assets of local, state, and federal governments.

Tuesday (continued)

Lessons Learned from Cross-Border Contingency Planning and Response

A chemical accident does not respect political boundaries. Therefore, chemical emergency contingency plans must be developed around chemical risks and the possible human health and environmental effects from chemical accidents, not international, state, provincial, county, or city boundaries. Achievements in international transboundary chemical emergency planning and response will be presented to provide insight to those planners developing contingency plans across city, county, and state boundaries.

Demonstration: RMP*Submit™ and RMP*Info™

In this session, prototypes of RMP*Submit™ and RMP*Info™ will be demonstrated. RMP*Submit™ is the PC-based submission system for RMPs. RMP*Info™ will be the central repository of RMPs available on the Internet through EPA's EnviroFacts. The session will include detailed information on how RMPs will be submitted and accessed. In addition, there will be a discussion on how certain stakeholder groups intend to use RMP*Info™. Session attendees will be the first in the hazmat community to see the software that will be standard equipment in the years to come! Session attendees should be sure to capitalize on the knowledge learned in this session by pre-registering for one of the two computer training sessions on Tuesday afternoon that will allow trainees to test out RMP*Submit™ and RMP*Info™.

COMPUTER TRAINING: CAMEO®:

Importing/Exporting and Reports (A)

Access to complete and accurate hazardous chemical storage and location information is vital to effective response and planning. Using CAMEO's Import and Export functions decreases data entry errors and allows diverse organizations to share data for maintaining the data. This session will explore the techniques for importing data into the CAMEO® by using and exporting data from the application. The student will have review the reporting options available from within CAMEO®. A test file of EPCRA data will be imported into the appropriate CAMEO® modules and an example output file will be created by the student. Students will be able to share data with another CAMEO® user. The Reports function also will be demonstrated.

This course is designed for employees who need an awareness of OSHA 1910.120 or who have completed the 40-hour OSHA 1910.120 training and require the annual updated training. The course provides OSHA-mandated training and offers students the opportunity to demonstrate their competencies in the following areas: emergency response planning; recognition and identification of hazardous materials; personal protective equipment; respiratory protection; incident command system; monitoring and detection; team organization; and safe operating procedures. During the course, students organize a response team and respond to simulated hazardous materials incidents. This course complies with the Occupational Safety and Health Administration's 29 CFR 1910.120(q)(6) annual refresher requirements.

10:00 - 10:30 Break

10:30 - 12:00

The Great Lakes Spill Protection Initiative: Agencies and Industry Working Together to Protect the Great Lakes from Spills

Enhancing Great Lakes spill protection programs through the sharing of information, operating practices, technologies, and experiences is the central mission of the Great Lakes Spill Protection Initiative (GLSPI). Launched in 1992, the GLSPI is a partnership between the region's six major petroleum companies, the Great Lakes states, and federal agencies. This session will reveal how the GLSPI provides a forum for cooperation to discuss such issues as promoting voluntary industry standards for spill protection, enhancing communication between industry and regulatory agencies, and fostering economic growth and environmental protection in the Great Lakes region.

Risk Communication Tips for LEPCs, Industry, and Firefighters

Having a well-thought out risk communication plan can help LEPCs, industry, and government officials avert the potentially devastating consequences of a false perception of risk on the part of the public. Dealing with public perception, no matter how inaccurate it may be, is as important as dealing with the facts. This session provides industry and government officials with hands-on training in risk communication. Presenters will explain techniques for communicating risk and give attendees exercises to work on together.

Hazardous Materials Emergency Preparedness (HMEP) Curriculum

This session will provide an overview by the Department of Transportation of the HMEP curriculum. Particular attention will be given to: (1) the 1998 Guidelines for Public Sector Hazardous Materials Training; (2) recent changes and new developments in hazmat response training; (3) organization and implementation of the new Hazmat Planning Curriculum; (4) the on-going national review of the proposed Hazmat Prevention Curriculum; (5) training support services for state and local organizations offered on the HMEP internet site; (6) the HMEP Hazmat Course Assessment Program; and (7) instructions on accessing and using the HMEP National Hazmat Course Database. This session is a must for all emergency responders and planners who will return to their community to impart preparedness training.

COMPUTER TRAINING: CAMEO®:

Importing/Exporting and Reports (continued)

Continuation of 8:30 - 10:00 training session.

TRAINING: OSHA Awareness (continued)

Continuation of 8:30 - 10:00 training session.

12:00 - 1:30 Conference Luncheon

Luncheon speaker.

Sessions marked with (A) require pre-registration. See the Registration Form on the last page.

1:30 - 3:00

Integrated Contingency Planning

This session will bring you up to date on the status of One Plan activities since the guidance was published by the National Response Team in June 1996. After a quick review of guidance content, the session will feature presenters who have working experience with the guidance.

Practical Lessons for Counter Terrorism: Planning and Response

This session offers practical advice and lessons learned from real counter terrorism situations. Planners and responders from all levels of government are sure to obtain a better understanding of how federal, state, and local response mechanisms can work together to counter terrorism.

The Ohio EPA's Orphan Drum Program, Discovery to Disposal

Abandoned barrels present a difficult response problem due to their unknown contents. Where does this leave state and local government personnel and private contractors who must deal with the immediate and local safety concerns? This session will address these topics in a discussion focusing on authority and program funding.

COMPUTER TRAINING: RMP*Submit™ and RMP*Info™ (A), offering 1

This session will build on the knowledge imparted in the earlier RMP*Submit™ and RMP*Info™ breakout session. Trainees will test the prototype software system designed for RMP submission and review. RMP*Submit™ will allow easy computerized submission of Risk Management Plans. Trainees will be encouraged to give immediate feedback on the usability of this new system, as well as suggestions for improvement. In addition, the internet-based information retrieval system, RMP*Info™, will be highlighted. This is your chance to influence the final product.

TRAINING: OSHA Awareness (continued)

Continuation of 10:30 - 12:00 training session.

3:00 - 3:30 Break

3:30 - 5:00

Successful Practices in RMP Information Communication

Communicating information in Risk Management Plans may be a challenge for some local emergency planners, industry representatives, and state government officials. Session attendees will learn how one Louisiana LEPC, a Georgia business, and a local community took steps to get this information out to the public ahead of the June 21, 1999, deadline.

Enhancing State and Local Preparedness for Responding to the Consequences of Terrorism

Participants will obtain an overview of the system in place to address counter terrorism, including the Nunn-Lugar-Domenici legislation, training, exercises, and Metro Medical Strike Teams. Learn how a counter terrorism event is coordinated under the Federal Response Plan and what federal assets are available during response.

Extreme Conditions: Response in Harsh Weather Conditions

Hazmat and oil spill response operations present responders with the difficult task of establishing site safety protocols during emergency incidents. Often these safety protocols must be established when standard operating procedures have either broken down, as is the case during disasters at sea, or are non-existent, which is the situation when spills occur in remote areas. This session will focus on the successful development, implementation, and monitoring of safety protocols for a response operation in extremely harsh weather conditions.

COMPUTER TRAINING: RMP*Submit™ and RMP*Info™ (A), offering 2

See earlier session for session description.

TRAINING: OSHA Awareness (continued)

Continuation of 1:30 - 3:00 training session.

5:30-7:30

National Response Team Meeting

The recent innovative agreement between the National Response Team (NRT) and Panama Canal Commission (PCC) will be the major focus of the meeting. The Panama Canal is a major global transit area with more than 13,000 vessels passing through each year. Many of these vessels present a significant hazmat threat to the canal environment and operation. Through innovative planning, the NRT and PCC have established procedures to ensure an adequate response during a hazmat incident. This plan will be summarized. Additionally, the NRT will hold a listening session to hear suggestions from conference participants on the following subjects: "Integrated Contingency Planning (One Plan) Implementation" and "Improving Hazmat Planning Coordination between Federal, State, and Local Agencies." The session will end with a discussion of NRT products planned for completion during 1998.

Wednesday

8:30 - 10:00

State and Local Strategies for 112(r) Implementation

During the next year, states can choose a strategy for implementing the chemical accidental release prevention program under section 112(r) of the Clean Air Act. This session will provide meeting participants with valuable information regarding issues to consider in selecting an approach and organizing program responsibilities. Findings from the National Governors' Association 1997 report on state considerations and strategies for implementing 112(r) will be reviewed. Two state officials will describe their states' approaches to the program, including funding mechanisms, organization, and the process of seeking delegated authority for the program from EPA. Local government representatives will discuss their role in implementation, types of assistance, training that local emergency planning committees will need to conduct to carry out their responsibilities, and

Wednesday (continued)

methods for communicating information in risk management plans to the public.

Methodology for Improving International Communication of Risk Assessment Terminology Related to Chemical Accidents

When observing the wide range of meanings associated with risk assessment terminology related to major chemical accidental releases throughout the world, there is a lack of consistency in the use of terms, which may lead to misunderstanding of the approaches/tools used and the significance of results obtained. To address this need, an international group of the Organization for Economic Cooperation and Development developed a computer-based dictionary/thesaurus that makes more transparent the intended meaning of terminology associated with the risk assessment process, definitions, regulations, guidance, etc. This session will present an overview of the computer-based dictionary/thesaurus and its application by representatives from two countries participating in the development and testing of the project.

The Joint Information Center Workshop

Information can make or break a response. This session will show how to structure a Joint Information Center for accurate, timely and one-voice information flow. The structure and process presented are based on Incident Command System principles and are designed from the ground up to be all-hazard, all-incident and all-agency. This structure has been used in several actual responses and PREP drills by both government and industry. The best practices of years of responses have been compiled into a manual. This manual was designed by the USCG's Public Information Assist Team, with the input of other federal, state, and industry public affairs representatives, to meet the needs of the National Response Team as a standard national model.

COMPUTER TRAINING: CAMEO®: Hands-on ALOHA (A)

The ALOHA atmospheric dispersion model predicts the downwind dispersion of a chemical cloud. ALOHA allows the user to estimate the characteristics of an air chemical release and map the distribution of the airborne contaminant based on actual atmospheric and release characteristics. Graphical outputs include estimates of the plume footprint, source strength, and chemical concentration curves. Using a scenario-based example, the trainee will enter the required atmospheric and accident data and will use ALOHA to predict the movement of the toxic cloud. Using MARPLOT, a mapping application, the trainee will display the ALOHA output on a digitized map. Topics explored during the course will include the limitations of ALOHA, selection of an appropriate Level of Concern, and using ALOHA for RMP calculations.

TRAINING: RMP Guidance for Warehouses and Chemical Distributors (A)

EPA is working with the National Association of Chemical Distributors and the International Warehouse Logistics Association to develop industry-specific guidance for implementation of CAA section 112(r) programs (model plans) for chemical distributors and warehouses. This document will cover all

parts of the CAA section 112(r) rule, including offsite consequence analysis and prevention program information, tailored to the specific chemicals and processes in the warehouse and chemical distributors sectors. EPA and members of the Association will use this training session to present the model that addresses such issues as how to determine applicability and program levels, how to conduct offsite consequence analysis for the specific chemicals and processes, and how to meet the Program 2 and Program 3 prevention program requirements. This training session also will give attendees an opportunity to provide feedback to EPA and the Association on how the model, now in draft form, could be improved and made more useful to chemical distributors and warehouses.

10:00 - 10:30 Break

10:30 - 12:00

Hazardous Materials Chemistry

An emergency responder to a hazardous material incident faces many challenges. Understanding the risks posed by the chemical or chemicals involved in an incident is one such challenge. This session will cover the key hazards associated with each Department of Transportation hazard class, emphasizing which class or combination of classes could pose the highest risks during an incident. This session is designed for individuals with little or no background in chemistry who are involved with hazardous materials planning and response.

Experiences in Risk Communication

What can hazmat communication professionals do to ensure that the message they are giving the public concerning the risks posed by hazardous chemicals is accurate and understood? A panel of experts will discuss lessons they have learned in communicating risk to the public, explain what worked and what didn't, and provide tips on dealing with the press.

Methamphetamine Drug Lab Responses

This session will focus on the growing problem of responding to illicit methamphetamine drug labs. Methamphetamine production has become the cottage industry of the late 1990's, with thousands of clandestine drug labs popping up all over the country. When local, state, and federal law enforcement officials raid one of these labs they can be exposed to significant chemical hazards. Once the lab has been "busted," dangerous chemicals and significant contamination that need to be addressed can be left behind. This session will focus on the cooperative efforts of the law enforcement and hazardous materials response communities to develop training and appropriate response techniques to ensure safe and effective cleanups of these illicit drug labs.

COMPUTER TRAINING: CAMEO®: Hands-on ALOHA (continued)

Continuation of 8:30 - 10:00 training session.

TRAINING: RMP Guidance for Warehouses and Chemical Distributors (continued)

Continuation of 8:30 - 10:00 training session.

12:30 - 1:30 Lunch (attendees on their own)

BROWN BAG: Table Top Hazsub Response Exercise Debrief

Bring your lunch along and listen to the players in the Table Top Hazsub Exercise from Tuesday discuss the lessons they learned. Find out how valuable these exercises can be in ensuring the ICS/UC system works for you.

1:30 - 3:00

CASE STUDY: Accident Investigation: NAPP Technologies

The EPA/OSHA Chemical Accident Investigation Team will share their findings regarding the root causes of the April 21, 1995, accident at NAPP Technologies in Lodi, New Jersey, that resulted in five deaths, injuries, public evacuations, and serious damage both on- and off-site. Session attendees will find out what recommendations were made by the investigative team to prevent accidents in the future and improve safety in the chemical tolling manufacturing industry.

CASE STUDY: Benzene Barge Flips in Mississippi River

On March 17, 1997, a tugboat pushing a string of barges on the swollen Mississippi River hit a bridge and lost control of them. One of the barges flipped over in the heavy current and landed on a mud bank. The impact broke open several spill valves and released benzene below the water line. Hundreds of people nearby had to seek medical attention due to nausea, burning eyes, and throats. The cleanup lasted 10 days. The focus of this presentation will be the initial response, the evacuation process, and the salvage operation. This should interest salvage personnel and responders, particularly in the marine community.

CASE STUDY: Emergency Response in Rural America

In early January 1997, the Payette and Weiser Rivers flooded numerous small communities in Southwestern Idaho. Six months later, the Snake River in Eastern Idaho rose to flood communities along its upper reaches. Both flooding events resulted in large quantities of fugitive hazardous materials in a variety of containers from quart jars to 50,000 gallon tanks. The materials were deposited along shorelines, in back waters, and on city streets as the water receded. All nine hazard classes were represented in the flood debris. This case scenario will demonstrate the aggressive and collaborating team work that occurred among the local, state, and federal agencies. The remoteness of rural disasters does not necessarily put a rural population at risk; efficient and thorough response is possible. The resources, while more disparate than those in major metropolitan areas, are available; they just need to be coordinated.

COMPUTER TRAINING: Introduction to CAMEO® (2), offering 2

See earlier offering for description.

TRAINING: Incident Command System/Unified Command Overview with Hazmat Response Application Training (2), part 1 of 2

This presentation will involve an overview/training on the National Inter-Agency Incident Management System (NIIMS) Incident Command System (ICS)/Unified Command (UC) including: ICS evolution, ICS endorsement, uses of ICS, ICS flexibility, ICS organization, Command & General Staff functions, ICS planning cycle, and UC components & functions. Two noteworthy hazardous materials response incidents also will be discussed to demonstrate the great flexibility and widespread application of ICS/UC for any type of incident, from small/simple to large/complex.

3:00 - 3:30 Break

3:30 - 5:00

CASE STUDY: Train Derailment in Port Clinton

On April 21, 1997, a Conrail train heading eastbound on a heavily traveled track derailed near Sandusky Bay, Ohio. Thirty-one of the 144 train cars derailed. Twelve of the 31 cars were empty. However, the empty tanks, which previously contained sodium hydroxide and chlorine, had not been purged and still contained up to 10% by volume residue. The remaining derailed 19 cars were loaded. Lessons learned from this scenario include the importance of available phone communication, especially at the command post. This allows for immediate communication between planners and responders, including the ability to leave messages. A second lesson learned is that an informed public makes incident response more effective. The need for unified command and inter-agency cooperation is another important learned lesson from this case study. Finally, information on transported substances, hazardous or not, needs to be expanded.

CASE STUDY: Cylinder Technology and Pentaborane Issues

Compressed gas cylinders found at sites undergoing EPA removal actions always have presented unique technical challenges to on-scene coordinators. EPA's efforts to develop better health and safety plans for dealing with these issues has led to the formation of the joint EPA/Department of Defense National Pentaborane Task Force. This presentation will discuss the National Pentaborane Task Force issues related to past incidents involving cylinders, and how approaches for dealing with cylinders have changed throughout the years. Attendees of this presentation will gain insight into some of the latest policy and regulatory issues, obtain knowledge of the chemistry and physics of certain compressed gases and liquids, discuss the advantages and limitations of various treatment technologies, learn proper health and safety issues associated with these sites, learn about developments in air modeling and monitoring, and receive information on how to obtain technical assistance in dealing with cylinders.

CASE STUDY: BPS Pesticide Fire, West Helena, Arkansas

Three firefighters were killed and another 16 were injured when a repackaging facility caught fire on May 8, 1997. The firefighters were conducting an initial entry into the facility when an

Wednesday (continued)

unexpected explosion occurred. Several pesticides were being processed in the building including azinphous methyl (AZM), or "Guthion." AZM is similar in its chemical composition to Sarin, a neurotoxin stockpiled by the Army. During this presentation, instructors will present a detailed discussion of the attempts made to extinguish the fire at the BPS Pesticide facility. In addition, information will be presented on the activities involved in the investigation efforts conducted in cooperation with representatives of the Occupational Safety and Health Administration. Special emphasis will be given to the difficulties encountered during the response action, including problems encountered relating to inconsistent information provided in the material safety data sheets.

COMPUTER TRAINING: Introduction to CAMEO®, offering 2 (continued)

Continuation of 1:30 - 3:00 training session.

TRAINING: Incident Command System/Unified Command Overview with Hazmat Response Application Training (A) (continued)

Continuation of 1:30 - 3:00 training session.

Thursday

8:30 - 10:00

ISO 14000 Standards - Applications

The ISO 14000 series of standards are international voluntary consensus standards addressing environmental management. The ISO 14001 standard specifies core requirements for environmental management system (EMS) compliance and commitment to continuous improvement. ISO 14001 is applicable to organizations that wish to implement, maintain, and improve EMS, demonstrate conformance to other environmental regulations, seek certification of registration from a third party, and declare or self-determine conformance. This session will present an industry perspective on the advantages/disadvantages of implementing ISO 14000, as well as federal and state government perspectives on the feasibility of using ISO 14001 to enhance implementation of environmental regulations in a way that is acceptable to industry, the public, and the implementing agency.

Application of New Technology to Improve Hazardous Material Transportation Emergency Response

Session attendees will hear industry experts explore the potential for new technology to improve emergency preparedness and response for hazardous material spills during transportation. The current regulatory system administered by the U.S. Department of Transportation is based primarily on written hazard information and telephone communication. There is great potential for this system to be more automated and timely as new technology, such as global positioning systems, geographic information systems, and on-board computing, become more commonplace. The U.S. DOT has begun to examine the benefits of this technology under the umbrella of its Intelligent

Transportation Systems/Commercial Vehicle Operations (ITS/CVO) Program.

When Does a Home Application Become a CERCLA Response? The Methyl Parathion Story

This session will focus on the public health, response, enforcement, and prevention issues associated with the recent state, local, and federal efforts to respond to the consequences of the widespread, illegal, indoor application of the pesticide methyl parathion. Methyl parathion, an organophosphate licensed only for outdoor agriculture applications, has unfortunately been used for indoor residential and commercial pest control throughout many areas in the country. Exposure to methyl parathion can cause significant health impacts. Thousands of people have been temporarily evacuated from their homes while public health and response personnel perform sampling, analysis, and cleanup. At the same time, law enforcement, pesticide, and public outreach personnel from all levels of government have been working to prevent the further illegal use of this dangerous pesticide.

COMPUTER TRAINING: LandView®III with MARPLOT: How Locals Can Use it for Planning (A)

Session attendees will experience the new Windows version of LandView®, LandView® III, with the integrated mapping application Marplot. Emergency planners will find these programs extremely valuable in their work. The new Windows interface makes both programs much more user friendly. A valuable addition to the set of tools available for hazmat professionals, this software can be used in conjunction with CAMEO® to provide comprehensive computer and GIS data to all emergency planners.

TRAINING: Developing the One Plan (A)

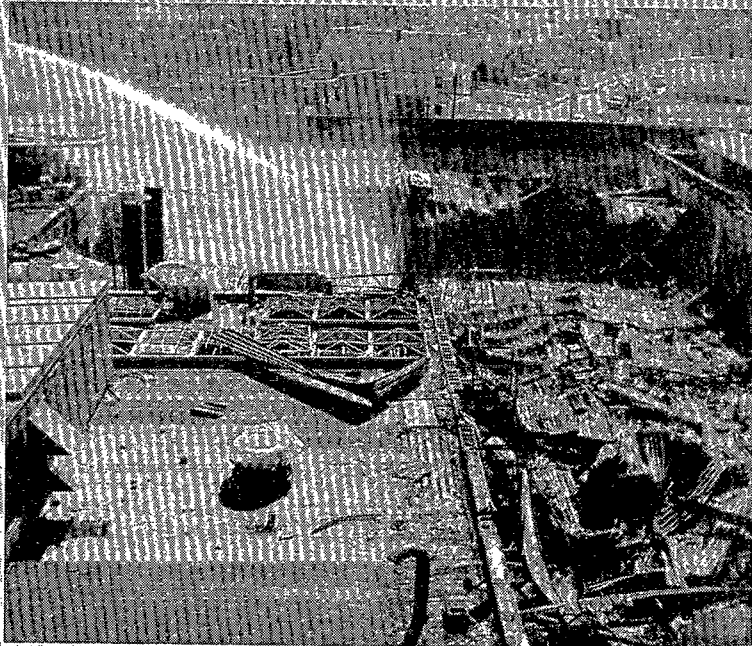
Participants will learn how to develop an integrated contingency plan, also known as the One Plan. Learn how to place certain sections of the plan and how to develop a cross-walk to help plan reviewers find pertinent regulatory requirements. Trainees will meet and work with others whose facilities are similar to their own. Participants should plan on attending the breakout session entitled "Integrated Contingency Planning" (held on Tuesday, 1:30 - 3:00) in preparation for this training.

10:00 - 10:30 Break

10:30 - 12:00

Health and Safety of the Emergency Responder: Programs and Lessons Learned

The unique aspect of this session is the consideration given to health and safety issues other than those that are chemical and industrial hygiene in nature, including ergonomics, psycho-social impacts, and safety. All of these issues play large roles in a response situation and need to be sufficiently dealt with in order to increase response effectiveness. Also to be discussed are new and innovative ways to develop a health and safety program. Emergency responders, health and safety supervisors, and hazmat response program managers should find this session useful and informative.



Causes and Trends in Maritime-Related Hazardous Material Spills

The Management Organization and Risk Tree analysis technique provides the basis for reviewing all spill events as a single related system and groups information as energy flows, prevention barriers and controls, and vulnerabilities. With this technique, maritime-related spills events from the last 30 years are examined to identify trends and common patterns of spill events. Separate patterns are identified for self-propelled vessels, barges, and fixed facilities. Information for this study was combined from newspaper accounts, several federal and state databases, and interviews of USCG field personnel. The results of this study are compared with another recent study examining in detail information about spills from specific substances. Causes of spills from this subset of substances vary from the more frequent causes of spills from the previous study. This variation and the possible basis for it are discussed.

Late-Breaking Regulatory Announcements

Session attendees will hear a discussion about the proposed changes to EPA's reporting threshold under sections 311 and 312 of the Emergency Planning and Community Right-to-Know Act of 1986 and the anticipated Toxic Release Inventory Program initiatives such as Persistent Bio-Accumulation and Pollution Prevention Act Rulemaking. The USCG will discuss the proposed hazardous substance planning regulations for facilities and vessels under the Oil Pollution Act of 1990.

COMPUTER TRAINING: Getting Started on the Internet (A)

Still searching for the "on ramp" to the information highway? This session will introduce the various tools available on the

Internet and how to use them for planning and prevention needs. Topics will include searching for information on the world wide web, communicating through the Internet, and the basics of web page design, including the type of valuable information that can be "uploaded" onto the Internet for viewing by the whole hazmat community. As more and more emphasis is placed on coordinating contingency plans and developing One Plans, fast and efficient communication will be the key to successful implementation. Come see how the information highway can facilitate quick and comprehensive communication.

TRAINING: Developing the One Plan (continued)

Continuation of 8:30 - 10:00 training session.

12:00 - 1:30 Lunch (conference attendees on their own)

1:30 - 5:00

TOUR: Chicago Fire Academy and Marine Safety Office Response Equipment (A) (approx. 3 hours)

Top off your conference experience with an hour-long tour of the Chicago Fire Academy. After the tour, Marine Safety Office hazmat response equipment will be on display. Transportation to and from the Fire Academy will be provided. This field trip will be limited to the first 100 to sign up.

TRAINING: Emergency Responder Awareness (A), offering 2

See earlier offering for description.

**If you have any
questions regarding
registration, please
call Tom Crane of
the Great Lakes
Commission at
(313) 665-9135.**

Conference Registration

All attendees, including invited speakers, must register for the conference. This can be done in one of two ways. First, you may elect to register electronically via the conference home page (www.nrt.org/nrt/hazmat98.nsf), where you will find a button entitled "Registration." Simply click on that button, fill out the form, and click "send." Or, if you wish, you may fill out the registration form included in this brochure and mail it and the registration fee to the address on the form.

Use a separate form for each person registering. If necessary, you may make photocopies of the form in this brochure.

Registration Fee. There is a \$230 (US currency) registration fee per person—which must be included with the form—through March 5, 1998. Thereafter, the fee is \$300 (US currency). On-site registration is \$330 (see below). While you may register on-line, please mail a check or purchase order to the address on the Registration Form, indicating that you have already registered electronically (it would be appreciated if you wrote the name(s) on the check to indicate who is covered by the payment so we can match up payments with on-line registrations). The fee includes admission to all conference and training sessions, a trip to the Chicago Fire Academy (limited to first one hundred conference attendees who register for the tour), a reception, and a luncheon. All hands-on computer sessions and training sessions require pre-registration, but no additional fees will be charged. All conference materials also are included in the fee. Personal or corporate checks or government purchase orders should be made payable to "Great Lakes Commission." Please write "Hazmat 98" in the memo area of the check.

Refund Policy. Fees are fully refundable until March 5, 1998. Cancellations postmarked after this date are subject to a cancellation fee of 50 percent to cover incurred costs. No refunds will be made after March 23, 1998. All cancellations are to be made in writing and addressed to

Tom Crane of the Great Lakes Commission at the address on the Registration Form.

On-Site Registration. On-site registration will cost \$330 (US currency). Registration materials will be available at the conference registration desk. Conference attendees must show identification to obtain registration materials and badges. Badges are required for admission to all conference sessions and social events. Conference registration will be open beginning Sunday, April 5 at 7:30 a.m. A list of attendees who have registered by March 17, 1998, will be included in the registration folder.

Hotel Information. The conference will be held at the historic Palmer House Hilton in Chicago, Illinois, from April 5-9, 1998. The telephone number for reservations is (312) 726-7500, or you may dial 1-800-HILTONS. Rates for single or double rooms are \$119 per night for one or two people when you tell the reservationist you are with the "Hazmat Spills" conference. Additional persons over 2 people in one room will be charged \$25 a night. This price includes all taxes; only foreign diplomats are tax exempt. Conference attendees are responsible for making their own arrangements for accommodations and travel, including ground transportation during their stay. **Rooms have been blocked for the 1998 International Hazardous Material Spills Conference and will be held until March 5th, 1998, so make your reservations early.** The Palmer

House Hilton is located in the heart of downtown Chicago, minutes from museums, shopping, and major Chicago landmarks such as the Sears Tower, the Adler Planetarium, Lincoln Park, Chicago Stadium, and Wrigley Field. The Palmer House Hilton includes such amenities as a fitness club with a pool and computerized golf with free clubs.

Exhibitor Information

The 1998 International Hazardous Material Spills Conference will feature an exhibition hall where vendors are invited to display their hazmat products and services. Space in the exhibition hall is limited and will be filled on a first-come, first-served basis. To register as an exhibitor, visit our homepage (www.nrt.org/nrt/hazmat98.nsf) and click on the "Exhibitors" button. This will lead you to a form that you can fill out to become an exhibitor. If you do not have Internet access, you may contact Jo-Anne Dobrick of the 14th International Hazardous Material Spills Conference at (773) 348-3960 or by e-mail at Hazmat1998@aol.com.

If you or your organization are a Spill Control Association of America (SCAA) member, booth cost is \$900. For non-SCAA members the cost of the booth package is \$1,000. After January 15, 1998, the booth cost for non-SCAA members will increase to \$1,200.

Chicago offers a myriad of historical, cultural, educational, and sporting events and opportunities.

From Chinatown to Greektown, from the Magnificent Mile to Old Town, Chicago features a variety of sightseeing opportunities. Renowned museums, diverse restaurants and shops, and championship sports teams are some of the distinct features of the Windy City. Tour Chicago's historic downtown "loop" district aboard the Chicago Transit Authority's elevated trains. The Shedd Aquarium, Adler Planetarium, or the Brookfield Zoo allow visitors to explore nature's treasures. Experience the many tastes of Chicago in Greektown or Chinatown, or sample Chicago-style pizza at one of the city's many pizzerias. Visit historic sites, including the Ernest Hemingway Museum and Birthplace and the Charles Gates Dawes House, a beautifully restored national historic landmark that was the home of former Vice President and Nobel laureate Dawes. The Magnificent Mile, featuring hundreds of stores and restaurants, provides a unique shopping experience. For more information on Chicago, visit our home page, which has a button labeled "Chicago!"

Conference Registration Form

Please return this page with payment (\$230 US before 3/5/98, \$300 US thereafter) to:

Tom Crane, Great Lakes Commission
Argus II Building
400 4th Street
Ann Arbor, MI 48103-4816
Phone: (313) 665-9135
Fax: (313) 665-4370
E-Mail: tcrane@glc.org

Please Note! A separate registration form must be completed for each conference attendee. You may duplicate this form if necessary.

Please type or print all information below.

First Name* Middle Initial* Last Name*

Affiliation* Title

Business Address

City*, State*, Zip

Province/Country

Telephone; Fax

E-mail Address

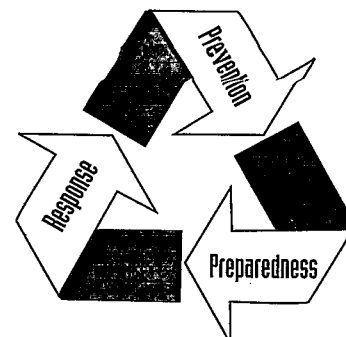
*This information will appear on your badge.

Registration fees payable to Great Lakes Commission (please write "Hazmat98" on the memo line).

Registration for Hands-On Computer Training Sessions

In order to ensure a truly hands-on experience, class sizes for all hands-on computer training sessions are limited to the first 50 registered participants, two to a computer. Some courses are presented more than once. For those courses put a 1 or 2 in the appropriate box to indicate your preferred time slot. For other computer trainings, please indicate the sessions you wish to attend by checking the appropriate boxes. Before the conference begins you will be notified if we are unable to fit you into a particular training.

- ☐ Sunday, April 5, 1:30 - 5:00, Introduction to CAMEO®, offering 1
- ☐ Monday, April 6, 1:30 - 3:00, Designing and Marketing Effective Web Pages
- ☐ Monday, April 6, 3:30 - 5:00, RMP Calculator



**Risk Management:
Closing the Loop**

- ☐ Tuesday, April 7, 8:30 - 12:00, CAMEO®: Importing/Exporting and Reports
- ☐ Tuesday, April 7, 1:30 - 3:00, RMP*Submit™ and RMP*Info™, offering 1
- ☐ Tuesday, April 7, 3:30 - 5:00, RMP*Submit™ and RMP*Info™, offering 2
- ☐ Wednesday, April 8, 8:30 - 12:00, CAMEO®: Hands-on ALOHA
- ☐ Wednesday, April 8, 1:30 - 5:00, Introduction to CAMEO®, offering 2
- ☐ Thursday, April 9, 8:30 - 10:00, LandView®III with MARPLOT: How Locals Can Use it for Planning
- ☐ Thursday, April 9, 10:30 - 12:00, Getting Started on the Internet

Registration for Training Sessions

Training sessions are limited to the first 50 registered participants, unless noted otherwise. One course is presented twice. For this course put a 1 or 2 in the appropriate box to indicate your preferred time slot. For other trainings, please indicate the sessions you wish to attend by checking the appropriate boxes. Attendees will be eligible for training certificates upon completion of the training session. Before the conference begins you will be notified if we are unable to fit you into a particular training.

- ☐ Sunday, April 5, 8:30 - 5:00, Risk Management Programs Training
- ☐ Monday, April 6, 1:30 - 5:00, Emergency Responder Awareness, offering 1
- ☐ Tuesday, April 7, 8:30 - 5:00, OSHA Awareness
- ☐ Wednesday, April 8, 8:30 - 12:00, RMP Guidance for Warehouses and Chemical Distributors
- ☐ Wednesday, April 8, 1:30 - 5:00, Incident Command System/Unified Command Overview with Hazmat Response Application Training
- ☐ Thursday, April 9, 8:30 - 12:00, Developing the One Plan (150 students)
- ☐ Thursday, April 9, 1:30 - 5:00, Emergency Responder Awareness, offering 2

Registration for Chicago Fire Academy Tour and MSO Response Equipment Display

Limited to 100 people; transportation to and from the Academy will be provided

- ☐ I want to take the tour on Thursday, April 9, 1:30 - 5:00.

**You can also register
on-line!**

www.nrt.org/nrt/hazmat98.nsf



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Environmental Protection Agency
401 M Street, SW (Mailcode 5104)
Washington, DC 20460

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